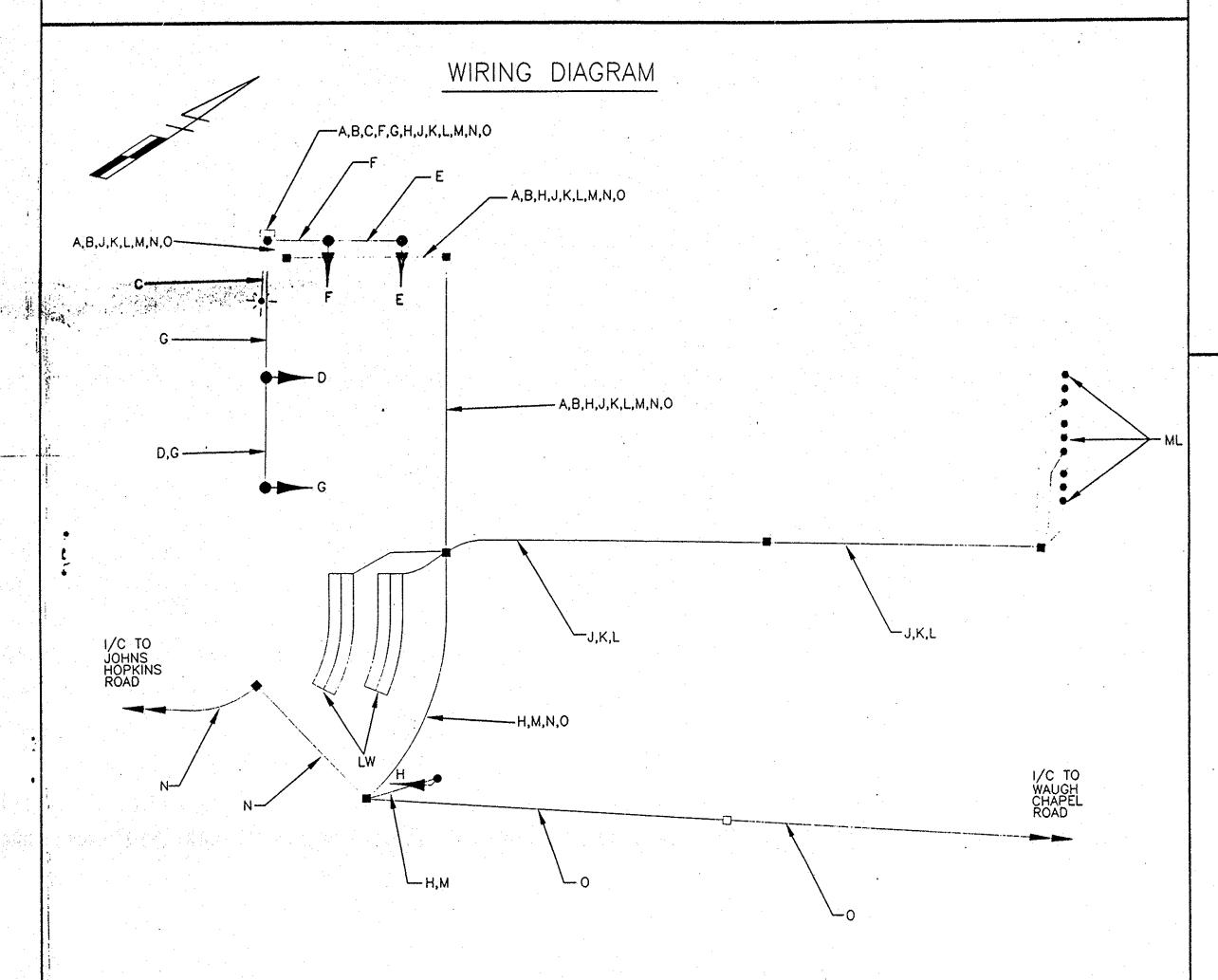


THE INTERSECTION WILL BE INTERCONNECTED TO THE INTERSECTION OF MD 3 AND JOHNS HOPKINS ROAD AND TO MD 3 AND WAUCH CHAPEL ROAD.

CONTROLLER REQUIREMENTS

A FULL-TRAFFIC-ACTUATED, EIGHT-PHASE CONTROLLER WITH TWO FOUR-CHANNEL TIME-DELAY-OUTPUT LOOP DETECTOR AMPLIFIERS WILL BE HOUSED IN A POLE MOUNTED CABINET.



WIRING KEY

2-CONDUCTOR ELECTRICAL CABLE (ALUMINUM SHIELDED) NO. 14 A.W.G.

c 2-CONDUCTOR ELECTRICAL CABLE (NO. 12 A.W.G.) TRAY CABLE

5-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)

ML MICRO-LOOP PROBE

LW LOOP WIRE (NO. 14 A.W.G.)

EQUIPMENT LIST "B"

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR QUANTITY DESCRIPTION ITEM NO. MAINTENANCE OF TRAFFIC 1 EACH 1001 TEST PIT EXCAVATION 2 C.Y. 2001 FURNISH AND INSTALL CONCRETE FOR SIGNAL FOUNDATION 6 C.Y. 8001 FURNISH AND INSTALL 14 FT. BREAKAWAY PEDESTAL POLE 1 EACH FURNISH AND INSTALL MICRO-LOOP PROBE SET WITH 1000 FT. LEAD-IN 3 EACH 8017 FURNISH AND INSTALL SAW CUT FOR SIGNAL 320 L.F. 8021 (LOOP DETECTOR) FURNISH AND INSTALL 1 IN. LIQUID TIGHT FLEXIBLE NON-METALLIC CONDUIT FOR DETECTOR SLEEVE 8023 40 L.F. FURNISH AND INSTALL 2 IN. SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED 8024 420 L.F. FURNISH AND INSTALL 3 IN. SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED 8027 200 L.F. FURNISH AND INSTALL 3 IN. SCHEDULE 80 RIGID PVC CONDUIT - BORED 8029 FURNISH AND INSTALL 4 IN. SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED 8030 80 L.F. FURNISH AND INSTALL 4 IN. SCHEDULE 80 RIGID PVC CONDUIT - BORED 8032 110 L.F. FURNISH AND INSTALL ELECTRICAL HANDHOLE 7 EACH FURNISH AND INSTALL GROUND ROD - 3/4 IN. DIAMETER X 10 FT. LENGTH 2 EACH 8034 FURNISH AND INSTALL 12 PAIR COMMUNICATION CABLE, JELLY—FILLED (UNDERGROUND) (SEE TS-1515K GI) FURNISH AND INSTALL LOOP WIRE ENCASED IN FLEXIBLE TUBING (NO. 14 A.W.G.) 8040 FURNISH AND INSTALL ELECTRICAL CABLE-2 CONDUCTOR ALUMINUM SHIELDED (NO. 14 A.W.G.) 8041 280 L.F. FURNISH AND INSTALL ELECTRICAL CABLE— 5 CONDUCTOR (NO. 14 A.W.G.) 50 L.F. 8044 FURNISH AND INSTALL ELECTRICAL CABLE-7 CONDUCTOR (NO. 14 A.W.G.) 140 L.F. 8045 FURNISH AND INSTALL ELECTRICAL CABLE-2 CONDUCTOR (NO. 12 A.W.G.) 8046 50 L.F. FURNISH AND INSTALL STRANDED BARE COPPER GROUND WIRE (NO. 6 A.W.G.) 220 L.F. 8049 FURNISH AND INSTALL WOOD SIGN SUPPORTS 4 IN. X 6 IN. 8052 72 L.F. FURNISH AND INSTALL 250 WATT HPS LUMINAIRE WITH PHOTOCELL 8056 1 EACH FURNISH AND INSTALL LIGHTING BRACKET 1 EACH

EQUIPMENT LIST "B"

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR

1 EACH

1 EACH

1 EACH

4 EACH

1 EACH

1 EACH

1 EACH

2 EACH

1 EACH

ITEM NO.

8064

8070

REGION NO. MD 3

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USE EXISTING DISK AND AS-BUILT TRAFFIC CONTROL DEVICE

12 IN., ONE-WAY, THREE-SECTION (RA,YA,GA) OPTICALLY PROGRAMMED SIGNAL HEAD WITH ADJUSTABLE BRACKET FOR

FURNISH AND INSTALL CONTROL AND DISTRIBUTION EQUIPMENT

12 IN., ONE-WAY, THREE-SECTION (R,Y,G,) TRAFFIC SIGNAL HEAD WITH ADJUSTABLE BRACKET FOR MAST ARM MOUNTING AND TUNNEL VISORS.

FURNISH AND INSTALL R3-2 SIGN (30 IN. X 30 IN.)
- MAST ARM MOUNT

FURNISH AND INSTALL R3-1 SIGN (30 IN. X 30 IN.)
- MAST ARM MOUNT

FURNISH AND INSTALL W3-3 SIGN (48 IN. X 48 IN.) WITH "NEW PANEL" (30 IN. X 30 IN.) AND FLAGS - GROUND MOUNT

FURNISH AND INSTALL EIGHT-PHASE, FULL-TRAFFIC-ACTUATED CONTROLLER WITH TELEMETRY MODULE AND TWO-4-CHANNEL TIME DELAY OUTPUT LOOP DETECTOR AMPLIFIERS HOUSED IN A POLE MOUNTED CABINET

FURNISH AND INSTALL MAST ARM POLE AND TWIN 50 FT/60 FT MAST ARMS

PEDESTAL MOUNTING AND TUNNEL VISORS

PHASE CHART

1 2 3 4 5 R R R R R

FOR TRAFFIC SIGNAL STRUCTURE -1 EACH - 15 FT. LENGTH

•	(Y)	8		(Y)	8	
PHASE 1	R	R	← G—	G	G	7
1 CHANGE	R	R	← Y—	Y	Υ	
PHASE 2	G	G	4 -R	R	R	◀
2 CHANGE	Y	Y	∢ -R	R	R	۸
FLASHING ORFRATION	FL/ X	FL/ y X	FL/R	FL/XP	FL/A	

REVISIONS

REVISIONS

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION Office of Traffic & Safety TRAFFIC ENGINEERING DESIGN DIVISION GENERAL INFORMATION SHEET

MD 3 AND VILLAGE OF WAUGH CHAPEL -SOUTH ENTRANCE

1		<u> </u>						
	DATE:	7-23-99	DRAWN BY:	T. ZAYDEL	F.A.P. NO.		PLAN	
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	SCALE:		340,0,142		S.H.A. NO.		TS-3895GI	2 05 2
A	PPROVED	BY: M. Roster	CHECKED BY:	K. SCHMID	COUNTY	ANNE ARUNDEL		Or
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RAFFIC CONCEPTS, INC.

Brightview Business Center 8258 Veterans Highway Suite 19B Millersville, MD 21108 (410) 987-0427

CHIEF, TRAFFIC ENGINEERING DESIGN D

APPROVALS

ASST. DISTRICT ENGINEER, TRAFFIC